

Product datasheet for RC201190

CTAG2 (NM_020994) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CTAG2 (NM_020994) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: CTAG2
Synonyms: CAMEL; CT2; CT6.2; CT6.2a; CT6.2b; ESO2; LAGE-1; LAGE2B
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC201190 representing NM_020994
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCAGGCCGAAGGCCAGGGCACAGGGGTTTCGACGGGCGATGCTGATGGCCAGGAGGCCCTGGCATTCTGATGGCCAGGGGCAATGCTGGCGGCCAGGAGAGCGGGTGCCACGGGCGGAGAGGTCCCCGGGCGCAGGGGCGCAAGGGCCTCGGGCCGAGAGGAGCGCCCGCGGGGTCCGCATGGCGGTGCCGTTCTGCGCAGGATGGAAGGTGCCCTCGGGGCCAGGAGGCCGGACAGCCGCTGCTTGAGTTGCACATCACGATGCTTTCTCGTCGCCATGGAAGCGGAGCTGGTCCGAGGATCCTGTCCGGGATGCCGCACCGCTCCCGACCAGGGGCGTTCTGAAGGACTTCACCGTGTCCGGCAACCTACTGTTTATGTCAGTTCCGGGACCAGGACAGGGAAGGCGCTGGGCGGATGAGGGTGGTGGGTTGGGGCTGGGATCCGCCTCCCCGGAGGGGAGAAAGCTAGAGATCTCAGAACCCAAACACAAGGTCTCAGAACAGAGACCTGGTACACCAGGCCCGCCGCCACCCGAGGGAGCCAGGGAGATGGGTGCAGAGGTGTCGCCTTTAATGTGATGTTCTTGCCCTCACATT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC201190 representing NM_020994
 Red=Cloning site Green=Tags(s)

MQAEGQGTGGSTGDADGPGGPGIPDGPNGAGGPEAGATGGRGPRGAGAARASGPRGGAPRPHGGAAS
 AQDGRPCGARRPDSRLLELHITMPFSSPMEAEVRRILSRDAAPLPRGAVLKDFTVSGNLLFMSVRDQ
 DREGAGRMRVVGWGLGSASPEGQKARDLRTPKHKVSEQRPGTGP PPPPEGAQGDGCRGVAFNVMFSAPHI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_020994.5](#)

RefSeq Size: 1002 bp

RefSeq ORF: 633 bp

Locus ID: 30848

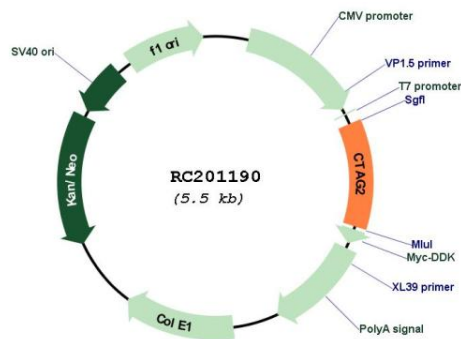
UniProt ID: [O75638](#)

Cytogenetics: Xq28

MW: 21.1 kDa

Gene Summary: This gene encodes an autoimmunogenic tumor antigen that belongs to the ESO/LAGE family of cancer-testis antigens. This protein is expressed in a wide array of cancers including melanoma, breast cancer, bladder cancer and prostate cancer. This protein is also expressed in normal testis tissue. An alternative open reading frame product of this gene has been described in PMID:10399963. This alternate protein, termed CAMEL, is a tumor antigen that is recognized by melanoma-specific cytotoxic T-lymphocytes. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013]

Product images:



Circular map for RC201190